

### Multi-Bridge for a Plurality of Mutually Different Subnetworks

#### Abstract

Multi-bridge for use in a network that contains a plurality of subnetworks, wherein the multi-bridge comprises for each subnetwork a set of at least two ports, the multi-bridge being arranged to register which of the ports are used by a Virtual Local Area Network (VLAN), wherein the multi-bridge is arranged to forward a data packet which is sent with an identifier that identifies the VLAN to those of the ports that the VLAN is registered to use, wherein the multi-bridge is arranged to register upon receiving a data packet by one of the at least two ports of a particular set, that the VLAN identified by the identifier of the data packet uses the ports of the particular set, at least when the multi-bridge has not yet registered that the VLAN identified by the identifier of the data packet uses the particular set on which the data packet was received.